

ATTACHMENT 4 - MSDS (ABACO INC.): N-AMYL METHYL KETONE



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MATERIAL SAFETY DATA SHEET

SECTION I IDENTITY

Product Name: 2 Heptanone Natural

Catalog #: H1100N

Chemical Family: Ketone

FEMA: 2544

Formula: C₇H₁₄O

Molecular Weight: 114.19

Emergency Phone No. (800) 535-5053

Other Names: Methyl Amyl Ketone

Identity Information of Pure Substance:

Chemical Name: 2 Heptanone

CAS No: 110-43-0

THIS IS ESSENTIALLY A PURE CHEMICAL- NO IMPURITIES

SECTIONS II PHYSICAL DATA

Physical/Chemical Characteristics:

Boiling Point: 151 C

Melting Point: NA

Vapor Pressure: NA

Refractive Index: 1.4080 @ 20 C

Vapor Density: NA

Specific Gravity: 0.817 @ 25

Assay: 95% (Min) GLC

Water Solubility: NA

Appearance/Odor: Colorless, mobile liquid/fruity, spicy, pineapple

Shelf Life: 12 months (when properly stored)

SECTION III HAZARDOUS INFORMATION

Fire & Explosion Hazard Data:

Flash Point: 105 F (Closed Cup)

Extinguishing Media: water spray. Carbon dioxide, dry chemical powder, alcohol or polymer foam.

Special fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire Hazards: Vapor may travel considerable distance to source of ignition and flash back. Emits toxic fumes under fire conditions.

Reactivity Data:

Stable Compound

Conditions to Avoid: Heat and light

Incompatibility: Strong oxidizing agents. Strong reducing agents. Strong bases.
Hazardous Decomposition products: toxic fumes of carbon monoxide, carbon monoxide, carbon dioxide.

Health & Hazard Data:

Routes of Entry: Inhalation or ingestion (whether by skin not known)

Health Hazards-Acute: Not listed by NTP, IARC, or OSHA

Medical Conditions Aggravated by Exposure: None Known

SECTION IV STORAGE & HANDLING

Emergency & First Aid Procedures:
If inhaled or ingested, consult a physician.

Precaution for Safe Handling and Use:

Wear chemical safety goggles, compatible chemical-resistant gloves, NIOSH/MSHA-approved respirator, mechanical exhaust recommended. Avoid inhalation, avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

Store in cool dry place.
Wear rubber gloves and organic-vapor respirator if indicated.

Steps to be taken in case material is released or spilled:

Evacuate area. Shut off all sources of ignition. Wear self-continued breathing apparatus. Rubber boots and heavy rubber gloves. Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors.

Waste Disposal Method: Burn in a chemical incinerator equipped with an afterburner and scrubber but extra extra care in igniting as this material is highly flammable. Observe all federal, state and local laws.

SECTION V PROTECTION-SAFETY DATA

Control Measure:

Ventilation: Local exhaust satisfactory

Protective Gloves: Latex or neoprene gloves

Eye Protection: Goggles with melts or hot solutions

Protective Clothing: Cover skin areas capable of being splashed.

Work/Hygienic Practices: Wash hands with soap and water after handling.

THE DATA IN THIS MSDS RELATES ONLY TO THIS SPECIFIC COMPOUND AND IS NOT TO BE USED IN COMBINATION WITH OTHER MATERIALS OR IN ANY PROCESS.

We believe the above information to be correct but we do not present it as all-inclusive and as such should only be used as a guide. ABACO, Inc. Shall not be held liable for any damage or injury resulting from handling or contact with the above product.